Standardization of time schedule for completion of power projects

1410. SHRI TAPAN KUMAR SEN:
SHRI PRASANTA CHATTERJEE:

Will the Minister of POWER be pleased to state:

(a) whether any standardization of time schedule for construction of coal-based thermal power projects has been firmed up for 500 MW and above capacity plants;

(b) if so, the details thereof;

(c) if not, the reasons therefor;

(d) whether sixty four months have been given for commissioning of first unit of Mundra UMPP and eighty eight months for the last unit; and

(e) if so, the reasons therefor?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) to (c) A committee consisting of members from Central Electricity Authority (CEA), National Thermal Power Corporation Limited, Bharat Heavy Electricals Limited, Maharashtra State Electricity Board and Andhra Pradesh State Electricity Board, recommended milestones for execution of thermal power projects with capacity of 210/250 and 500 MW units. Based on the recommendations of the Committee, it was conveyed to all the power utilities in July, 2000 that the commercial operation of 500 MW units should be completed within 51 months from the date of placement of order for main plant equipment and its auxiliaries.

Subsequently in the year 2006, during review for the purpose of comprehensive award scheme of the Ministry of Power, reasonable time schedule for completion of the first unit of 500 MW was kept as 44 months for the green field projects and 41 months for the extention projects with additional six months for subsequent units.

There are no standard time schedules for units above 500 MW because no such project has been completed so far.

(d) Yes, Sir.

(e) The capacity of Mundra Ultra Mega Power Project is proposed as 5 units of 800 MW. The construction period for larger size units of 800 MW with supercritical technology is more than that required for 500 MW units. Further, the commissioning period of 64 months for the first unit and 88 months for the last unit in Mundra UMPP is from the date of signing of Power Purchase Agreement (PPA) and these periods include 12 months for financial closure. However, the developer has an option under the PPA to advance the commissioning schedule.

Pending power projects

1411. SHRI M.V. MYSURA REDDY: Will the Minister of POWER be pleased to state:

(a) the details of the target fixed by Government for setting up of hydroelectric, thermal power and gas-based projects in various States of the country during the Eleventh Five Year Plan, State-wise;

(b) the number of proposals for power projects pending with Government at present, State-wise; and

(c) the details of steps being taken or proposed to be taken by Government to accord sanction to the pending projects and to complete these projects in time?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) A capacity addition of 78,577 MW comprising 16,553 MW hydro, 58644 MW thermal and 3,380 MW nuclear has been proposed during 11th Plan. The State-wise/fuel-wise details of proposed capacity additional during XI Plan is at given in Statement (*See* below).

(b) and (c) With the enactment of the Electricity Act, 2003, the requirement of according Techno Economic Clearance by Central Electricity Authority (CEA) has been dispensed with for thermal generation. However, any generating company intending to set up a hydro generating station shall prepare and submit to the CEA for its concurrence, a scheme estimated to involve a capital expenditure exceeding such sum, as may be fixed by the Central Government from time to time.

The CEA has reported that, in respect of hydro projects, in the current year (2007-08), sixteen proposals have been received in CEA. Out of these, four have been returned, after preliminary scrutiny to project authorities for tying up of necessary inputs; six proposals are currently at preliminary scrutiny stage. The remaining six projects of 2007-08 and one case of 2006-07 were accepted for consideration by CEA for accord of concurrence. Out of these seven proposals, concurrence has already been accorded in respect of three proposals. Four proposals are pending with CEA. Two pertain to the State Sector and one each to the Central and Private Sector. The details are given in Statement II (*See* below)

The Planning Commission has delegated full powers to the State Governments for approval of power projects (hydro and thermal power generation) with any ceiling. However, clearance from the Planning Commission is required in the case of those hydro electric projects where inter state issues are involved. The Planning Commission has intimated that no inter-state hydroelectric projects are pending with them for investment approval.

Statement-I

The State-wise/Fuel-wise details of proposed capacity addition during XI Plan

Sl. No.	State/UTs/CPSUs	Hydro	Coal	Lignite	GAS/ LIQ Fuel	Total Thermal	Nuclear	Grand Total
1	2	3	4	5	6	7	8	9
	Nothern Region							
	State/Private Sector							
1.	Delhi	0	0	0	0	0	0	0
2.	Haryana	0	1800	0	0	1800	0	1800
3.	Himachal Pradesh	1847	0	0	0	0	0	1847
4.	Jammu & Kashmir	450	0	0	0	0	0	450
5.	Punjab	75	1600	0	0	1600	0	1675
6.	Rajasthan	0	1445	125	220	1790	0	1790
7.	Uttar Pradesh	0	4000	0	0	4000	0	4000

1	2	3	4	5	6	7	8	9
8.	Uttarakhand	634	0	0	0	0	0	634
9.	Chandigarh	0	0	0	0	0	0	0
	Total State/ PrivateSector	**3006**	**8845**	**125**	**220**	**9190**	**0**	**12196**
	Central Sector							
1.	NHPC	2031	0	0	0	0	0	2031
2.	THDC	1400	0	0	0	0	0	1400
3.	SJVNL	412	0	0	0	0	0	412
4.	NTPC	1920	3460	0	0	3460	0	5380
5.	NLC	0	0	500	0	500	0	500
6.	NPC	0	0	0	0	0	440	440
	Total Central Sector	**5763**	**3460**	**500**	**0**	**3960**	**440**	**10163**
	Total Northern Region	**8769**	**12305**	**625**	**220**	**13150**	**440**	**22359**
	Western Region							
	State/Private Sector							
1.	Chhattisgarh	0	2450	0	0	2450	0	2450
2.	Gujarat	0	1000	325	1518	2843	0	2843
3.	Maharashtra	250	4500	0	0	4500	0	4750
4.	Madhya Pradesh	400	2870	0	0	2870	0	3270
5.	Goa	0	0	0	0	0	0	0
6.	Daman & Diu	0	0	0	0	0	0	0
7.	Dadra & Nagar Haveli	0	0	0	0	0	0	0
	Total State/ Private Sector	**650**	**10820**	**325**	**1518**	**12663**	**0**	**13313**
	Central Sector							
1.	NTPC	0	4980	0	740	5720	0	5720
2.	NHDC/NHPC	520	0	0	0	0	0	520
	Total Central Sector	**520**	**4980**	**0**	**740**	**5720**	**0**	**6240**
	Total Western region	**1170**	**15800**	**325**	**2258**	**18383**	**0**	**19553**
	Southern Region							
	State/Private Sector							
1.	Andhra Pradesh	524	3010	0	909	3919	0	4443
2.	Karnataka	230	1850	0	0	1850	0	2080

1	2	3	4	5	6	7	8	9	
3.	Kerala	403	0	0	0	0	0	403	
4.	Tamil Nadu	60	1000	0	92	1092	0	1152	
5.	Puducherry	0	0	0	0	0	0	0	
	Total State/ PrivateSector	**1217**	**5860**	**0**	**1001**	**6861**	**0**	**8078**	
	Central Sector								
1.	NTPC	0	2000	0	0	2000	0	2000	
2.	NLC	0	1000	500	0	1500	0		1500
3.	NPC	0	0	0	0	0	2940	2940	
	Total Central Sector	**0**	**3000**	**500**	**0**	**3500**	**2940**	**6440**	
	Total Southern Region	**1217**	**8860**	**500**	**1001**	**10361**	**2940**	**14518**	
	Eastern Region								
	State/Private Sector								
1.	Bihar	0	0	0	0	0	0	0	
2.	Jharkhand	0	0	0	0	0	0	0	
3.	Orissa	150	0	0	0	0	0	150	
4.	Sikkim	821	0	0	0	0	0	821	
5.	West Bengal	900	3070	0	0	3070	0	3970	
	Total State/ PrivateSector	**1871**	**3070**	**0**	**0**	**3070**	**0**	**4941**	
	Central Sector								
1.	DVC	0	5250	0	0	5250	0	5250	
2.	NTPC	0	6870	0	0	6870	0	6870	
3.	NHPC	802	0	0	0	0	0	802	
Total Central Sector		**802**	**12120**	**0**	**0**	**12120**	**0**	**12922**	
	Total Eastern Region	**2673**	**15190**	**0**	**0**	**15190**	**0**	**17863**	
	North Eastern Region								
	State/Private Sector								
1.	Arunachal Pradesh	0	0	0	0	0	0	0	
2.	Assam	0	0	0	37	37	0	37	
3.	Manipur	0	0	0	0	0	0	0	
4.	Mizoram	0	0	0	0	0	0	0	

1	2	3	4	5	6	7	8	9
5.	Meghalaya	124	0	0	0	0	0	124
6.	Nagaland	0	0	0	23	23	0	23
7.	Tripura	0	0	0	0	0	0	0
	Total State/ PrivateSector	**124**	**0**	**0**	**60**	**60**	**0**	**184**
	Central Sector							
1.	NEEPCO	600	0	0	0	0	0	600
2.	NTPC	0	750	0	0	750	0	750
3.	NHPC	2000	0	0	0	0	0	2000
4.	ONGC	0	0	0	750	750	0	750
Total Central Sector		**2600**	**750**	**0**	**750**	**1500**	**0**	**4100**
Total North Eastern Region		**2724**	**750**	**0**	**810**	**1560**	**0**	**4284**
1.	Andaman & Nicobar Island	0	0	0	0	0	0	0
2.	Lakshdweep	0	0	0	0	0	0	0
	TOTAL-ALL INDIA	16553	52905	1450	4289	58644	3380	78577

Abbreviations:
NTPC: NTPC Ltd.
NHPC: National Hydro-electric Power Corporation
NHDC: Narmada Hydro Development Corporation
SJVN: Satluj Jal Vidyut Nigam Ltd.
THDC: Tehri Hydro Development Corporation
DVC: Damodar Valley Corporation
NEEPCO: North Eastern Electric Power Corporation Ltd.
NPC: Nuclear Power Corporation of India Ltd.
NLC: Neyveli Lignite Corporation Ltd.
ONGC: Oil and Natural Gas Commission

Statement-II

Details of proposals received, concurred and under examination of Central Electricity Authority for accord of concurrence during 2007-08

Sl. No.	Name of the Hydro Electric Project	Date of submission to CEA with complete information	Date of Concurrence
1	2	3	4
A.	**Proposals cleared**		
1.	Lower Jurala (6x40 MW) in Andhra Pradesh by Andhra Pradesh Power Generation Corporation **(State Sector)**	3.06.2007	24.07.2007

1	2	3	4
2.	Rangit St. IV (3x40 MW) in Sikkim by Jal Power Corporation Ltd. **(Private Sector)**	3.06.2007	6.07.2007
3.	Pare (2x55 MW) in Arunachal Pradesh by North Eastern Electric Power Corporation **(Central Sector)**	29.08.2007	24.09.2007

B. Proposals under examination

		Month/Year of Receipt	Status
1.	Kundah in Tamil Nadu 4x125=500MW Tamil Nadu Electricity Board **(State Sector)**	10/06	Under examination
2.	Singoli Bhatwari In Uttarakhand, 3x33=99MW L&T Uttaranchal Hydro Power Ltd. **(Private Sector)**	06/07	Under examination
3.	Gundia, in Karnataka 2x200=400MW Karnataka Power Corporation Ltd. (KPCL) **(State Sector)**	06/07	Under examination
4.	Dibang, Arunachal Pradesh 12x250MW National Hydro Electric Power Corporation **(Central Sector)**	06/07	Under examination

Hydro electric power potential

1412. PROF. P.J. KURIEN:
SHRI LALIT KISHORE CHATURVEDI:

Will the Minister of POWER be pleased to state:

(a) whether any survey has been conducted on the total hydro electric power potential in the country;

(b) if so, the details thereof, State-wise;

(c) the percentage already tapped, State-wise;

(d) whether this exploitation is being done by projects under Government and private sectors, if so, in what quantity it is being done giving the details thereof, State-wise;